

AUTOMATED SYSTEM AND METHOD FOR DESIGNING
MODEL BASED ARCHITECTURES OF INFORMATION SYSTEMS

ABSTRACT OF THE DISCLOSURE

5 An automated system and method is provided for system architects to design
model based architectures of information systems. From an initial model of a proposed
system architecture, performance metrics are modeled and compared against a set of
user-defined business requirements. For unacceptable metrics, modifications to the
system architecture are determined and proposed to the system architect. If accepted,
10 the model of the system architecture is automatically modified and modeled again.
Once the modeled performance metrics satisfy the business requirements, a detailed
description of the system architecture derived from the model may be output for further
development stages.

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